



October 3, 2015

(b) (6)

Location Code: GKM918

(b) (6), (b) (9)

Durango, CO 81301

Re: Groundwater Well Sampling Results

Dear (b) (6)

Thank you for participating in the private well water sampling conducted by the U.S. Environmental Protection Agency (EPA) in coordination with the Colorado Department of Public Health and Environment (CDPHE) and the San Juan Basin Health Department (SJBHD).

This letter provides the results for the water samples collected from your private water well. The water sample(s) were submitted to, and analyzed by, a private certified laboratory for the metals that could have been present in water from the Gold King Mine release.

The test results for your well water were compared to the National Drinking Water Standards, otherwise known as the Maximum Contaminant Levels (MCLs). The results of the analysis are provided in the enclosed table. Though these standards are intended for the evaluation of public water systems and therefore, do not apply to private domestic water wells such as yours, we have included the enclosed table so that you may compare the results with the Drinking Water Standards. **None of these metals were present in the water sample(s) collected from your property, above a level of concern for human health exposure.**

EPA has also established National Secondary Drinking Water Regulations that set non-mandatory water quality standards for 15 contaminants. EPA does not enforce these "secondary maximum contaminant levels". They are established only as guidelines to assist public water systems in managing their drinking water for aesthetic considerations, such as taste, color and odor. These contaminants are not considered to present a risk to human health at the secondary maximum contaminant level. **The following metals were present in your groundwater sample, above the EPA's Secondary Drinking Water MCLs prior to filtration. These metals were not present in your groundwater samples, above the EPA's Secondary MCLs, following filtration. We therefore recommend you follow the manufacturer's recommendations for maintaining your filtration system in order to preserve the safety of your drinking water.**

Iron

The concentration of iron in your well water was above the secondary MCL which is 300 µg/L. Iron is an essential element for human nutrition however, high iron can cause constipation and

other gastrointestinal effects. In addition, high iron may stain household fixtures and impart a metallic taste and red color to the water.

The Colorado Department of Public Health and Environment recommends using the Water Quality Interpretation Tool created by Colorado State University in collaboration with the Colorado Water Institute to get more information regarding the metals examined in your well. The Water Quality Interpretation Tool is available online at <https://erams.com/wqtool/>.

If you have any health related questions regarding these test results, please contact Flannery O'Neil with the San Juan Basin Health Department (SJBHD) at (970) 247-5702. If you would like to discuss your sample results with an EPA representative, please contact Dr. Deborah McKean at (303) 579-4371.

Sincerely,

US Environmental Protection Agency, Region 8

Enclosure

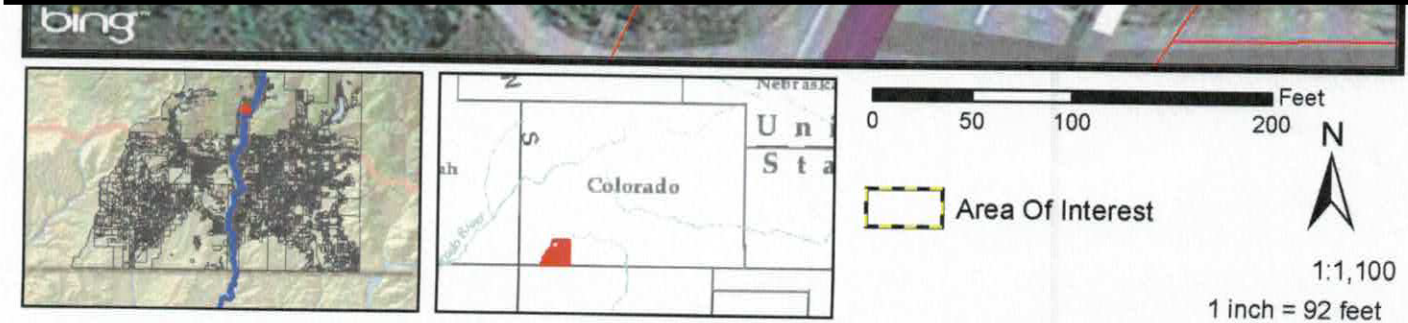
CC:

Colorado Department of Public Health and Environment
San Juan Basin Health Department
San Juan County Public Health

Property ID: GKM918



(b) (6), (b) (9)



Map Created: 9/30/2015

Document Path: C:\GOLD KING\GKM Data & GIS Backups\JVM\Maps\20150930\Soil DD_Maps_20150930_jv.mxd

Analyte	Location ID Sample ID Sample Date Sample time Latitude Longitude					GKM918A GKMTW918_092415A 9/24/2015 09:42 (b) (6), (b) (9)
	Metals, Total	CAS NO	Units	Colorado Water Standard	EPA MCL	Sub Location well spigot, pretreat Lab Result
Aluminum	A,B	7429-90-5	ug/L	5000	200	24 U
Antimony		7440-36-0	ug/L	6	6	0.4 U
Arsenic		7440-38-2	ug/L	10	10	0.37 U
Barium		7440-39-3	ug/L	2000	2000	21
Beryllium		7440-41-7	ug/L	4	4	0.15 U
Cadmium		7440-43-9	ug/L	5	5	0.043 U
Calcium		7440-70-2	ug/L			160000
Chromium		7440-47-3	ug/L	100	100	1 J
Cobalt	A	7440-48-4	ug/L	50		0.34 J
Copper	A	7440-50-8	ug/L	200	1300	6.9
Iron	A,B	7439-89-6	ug/L	5000	300	3400
Lead	A	7439-92-1	ug/L	100	15	0.49
Magnesium		7439-95-4	ug/L			19000
Manganese	A,B	7439-96-5	ug/L	200	50	9
Mercury		7439-97-6	ug/L	2	2	0.08 U
Molybdenum		7439-98-7	ug/L			4.8
Nickel	A	7440-02-0	ug/L	200		2.3
Potassium		7440-09-7	ug/L			1400
Selenium		7782-49-2	ug/L	50	50	0.58 U
Silver	B	7440-22-4	ug/L		100	0.1 U
Sodium		7440-23-5	ug/L			5200
Thallium		7440-28-0	ug/L	2	2	0.1 U
Vanadium	A	7440-62-2	ug/L	100		0.44 J
Zinc	A,B	7440-66-6	ug/L	2000	5000	24

A- CDPHE Agricultural Standards (Jan. 2013)

B- EPA Secondary MCL (May 2009)

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.

J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

J- = The result is an estimated quantity, but the result may be biased low.

UJ = The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise

UJB = The analyte was detected in the sample below the reporting limit and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at the RL due to blank contamination. The reported quantitation limit is approximate

and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample

UB = The analyte was detected in the sample below the Reporting Limit (RL) and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at the RL due to blank contamination.

J+ = The result is an estimated quantity, but the result may be biased high.

R = Reported value is "rejected." The sample results are rejected due to serious deficiencies in meeting QC criteria. The data are unusable. The analyte may or may not be present in the sample.

F1 = MS and/or MSD Recovery is outside acceptance limits.

HF = Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

* = The result exceeds maximum contaminant level

ug/L - Parts per billion (micrograms per liter)

Highlighted Yellow: indicates result exceeded Screening Value

Analyte	Location ID				GKM918B
	Sample ID				GKMTW918_092415B
	Sample Date				9/24/2015
	Sample time				10:00
	Latitude				(b) (6), (b) (9)
	Longitude				
Metals, Total	CAS NO	Units	Colorado Water Standard	EPA MCL	Sub Location kitchen faucet, post Lab Result
Aluminum A,B	7429-90-5	ug/L	5000	200	24 U
Antimony	7440-36-0	ug/L	6	6	0.4 U
Arsenic	7440-38-2	ug/L	10	10	0.37 U
Barium	7440-39-3	ug/L	2000	2000	0.14 U
Beryllium	7440-41-7	ug/L	4	4	0.15 U
Cadmium	7440-43-9	ug/L	5	5	0.059 J
Calcium	7440-70-2	ug/L			150 J
Chromium	7440-47-3	ug/L	100	100	1 U
Cobalt A	7440-48-4	ug/L	50		0.12 U
Copper A	7440-50-8	ug/L	200	1300	13
Iron A,B	7439-89-6	ug/L	5000	300	52
Lead A	7439-92-1	ug/L	100	15	0.097 J
Magnesium	7439-95-4	ug/L			33 U
Manganese A,B	7439-96-5	ug/L	200	50	1.2 U
Mercury	7439-97-6	ug/L	2	2	0.08 U
Molybdenum	7439-98-7	ug/L			5
Nickel A	7440-02-0	ug/L	200		0.4 U
Potassium	7440-09-7	ug/L			340000
Selenium	7782-49-2	ug/L	50	50	0.58 U
Silver B	7440-22-4	ug/L		100	0.1 U
Sodium	7440-23-5	ug/L			3100
Thallium	7440-28-0	ug/L	2	2	0.1 U
Vanadium A	7440-62-2	ug/L	100		0.3 U
Zinc A,B	7440-66-6	ug/L	2000	5000	2.9 J

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B- EPA Secondary MCL (May 2009)

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Analyte	Location ID		GKM918
	Sample ID		GKMSW918_092415
	Sample Date		9/24/2015
	Sample time		10:10
	Latitude		(b) (6), (b) (9)
	Longitude		
			Sub Location
			ditch near pump intake
Metals, Total	CAS NO	Units	Lab Result
Aluminum	7429-90-5	ug/L	660
Antimony	7440-36-0	ug/L	0.4 U
Arsenic	7440-38-2	ug/L	0.65 J
Barium	7440-39-3	ug/L	79
Beryllium	7440-41-7	ug/L	0.15 U
Cadmium	7440-43-9	ug/L	0.36 J
Calcium	7440-70-2	ug/L	76000
Chromium	7440-47-3	ug/L	1 U
Cobalt	7440-48-4	ug/L	0.83
Copper	7440-50-8	ug/L	10
Iron	7439-89-6	ug/L	770
Lead	7439-92-1	ug/L	2.7
Magnesium	7439-95-4	ug/L	11000
Manganese	7439-96-5	ug/L	150
Mercury	7439-97-6	ug/L	0.08 U
Molybdenum	7439-98-7	ug/L	1.2
Nickel	7440-02-0	ug/L	1.8
Potassium	7440-09-7	ug/L	1300
Selenium	7782-49-2	ug/L	0.58 U
Silver	7440-22-4	ug/L	0.1 U
Sodium	7440-23-5	ug/L	4600
Thallium	7440-28-0	ug/L	0.1 U
Vanadium	7440-62-2	ug/L	0.81 J
Zinc	7440-66-6	ug/L	120

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Analyte	Location ID				GKM918
	Sample ID				GKMSW918_092415
	Sample Date				9/24/2015
	Sample time				10:10
	Latitude				(b) (6), (b) (9)
	Longitude				
					Sub Location
					ditch near pump intake
Metals, Dissolved	CAS NO	Units		EPA RBC	Lab Result
Aluminum, Dissolved	7429-90-5	ug/L		170000	73 J
Antimony, Dissolved	7440-36-0	ug/L		67	0.4 U
Arsenic, Dissolved	7440-38-2	ug/L		50	0.37 U
Barium, Dissolved	7440-39-3	ug/L		33000	77
Beryllium, Dissolved	7440-41-7	ug/L		330	0.15 U
Cadmium, Dissolved	7440-43-9	ug/L		83	0.17 J
Calcium, Dissolved	7440-70-2	ug/L			76000
Chromium, Dissolved	7440-47-3	ug/L		220000	1 U
Cobalt, Dissolved	7440-48-4	ug/L		50	0.54
Copper, Dissolved	7440-50-8	ug/L		6700	2.9
Iron, Dissolved	7439-89-6	ug/L		120000	17 U
Lead, Dissolved	7439-92-1	ug/L		200	0.2 J
Magnesium, Dissolved	7439-95-4	ug/L			11000
Manganese, Dissolved	7439-96-5	ug/L		7800	110
Mercury, Dissolved	7439-97-6	ug/L		50	0.08 U
Molybdenum, Dissolved	7439-98-7	ug/L		830	1.1
Nickel, Dissolved	7440-02-0	ug/L		3300	2.4
Potassium, Dissolved	7440-09-7	ug/L			1200
Selenium, Dissolved	7782-49-2	ug/L		830	0.58 U
Silver, Dissolved	7440-22-4	ug/L		830	0.1 U
Sodium, Dissolved	7440-23-5	ug/L			4600
Thallium, Dissolved	7440-28-0	ug/L		2	0.1 U
Vanadium, Dissolved	7440-62-2	ug/L		830	0.3 U
Zinc, Dissolved	7440-66-6	ug/L		50000	40

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 WYNKOOP - MC 8RC
DENVER, CO 80202-1129
Phone 800-227-8917

HOW TO FILE A CLAIM

EPA is committed to taking responsibility for the impacts to communities affected by the Gold King Mine Release.

To file a claim for monetary compensation, please visit the Region 8 Gold Mine Release Incident website:

<http://www2.epa.gov/goldkingmine>

Complete the fillable PDF version of the Standard Form 95:

http://www2.epa.gov/sites/production/files/2015-08/documents/standardform95_4.pdf

Email the signed Standard Form 95 to:

R8 GKM Claims@epa.gov

Or mail the Standard Form 95 to the following contacts:

Richard Feldman
Claims Officer
U.S. EPA Office of General Counsel
1200 Pennsylvania Avenue, NW (MC 2399A)
Washington, D.C. 20460

Michael Nelson
U.S. EPA Region 8 Office of Regional Counsel
1595 Wynkoop Street (MC 8RC)
Denver, CO 80202